

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A holographic recording medium comprising, in a substantially identical plane, a white-light reconstruction holographic recording layer region capable of forming a white-light reconstruction hologram, having a thickness of 2 μm to 80 μm , and a Fourier holographic recording layer region capable of multiplexed hologram recording, having a thickness of 100 μm to 2 cm.
2. (Original) The holographic recording medium according to claim 1, wherein the white-light reconstruction holographic recording layer region is 3 μm to 40 μm thick, and the Fourier holographic recording layer region is 100 μm to 5 mm thick.
3. (Original) A holographic recording medium comprising, in a substantially identical plane, a white-light reconstruction holographic recording layer region, at least in part of which a white-light reconstruction hologram is formed, having a thickness of 2 μm to 80 μm , and a Fourier holographic recording layer region, at least in part of which multiplexed holograms are recorded, having a thickness of 100 μm to 2 cm.
4. (Original) The holographic recording medium according to claim 3, wherein the white-light reconstruction holographic recording layer region is 3 μm to 40 μm thick, and the Fourier holographic recording layer region is 100 μm to 5 mm thick.
5. (Original) The holographic recording medium according to claim 3, wherein a hologram formed in the white-light reconstruction holographic recording layer is a reflection hologram.

6. (Original) The holographic recording medium according to claim 4, wherein a hologram formed in the white-light reconstruction holographic recording layer is a reflection hologram.

7.-8. (Canceled)

9. (Currently Amended) ~~The method~~ A method of holographic recording according to claim 7, wherein comprising the step of irradiating, as an object beam, a two-dimensional pattern image created by a spatial light modulator to a white-light reconstruction holographic recording layer region in a holographic recording medium comprising, in a substantially identical plane, the white-light reconstruction holographic recording layer region capable of forming a white-light reconstruction hologram, having a thickness of 2 μm to 80 μm , and a Fourier holographic recording layer region capable of multiplexed hologram recording, having a thickness of 100 μm to 2 cm, the object beam is modulated by the spatial light modulator, is switched to an optical path different from an optical path used for irradiating the two-dimensional pattern image, is Fourier-transformed, and then is irradiated as an information beam to the Fourier holographic recording layer region in the holographic recording medium.

10. (Currently Amended) The method of holographic recording according to ~~claim 8, claim 9,~~ wherein the ~~object beam is modulated by the spatial light modulator, is switched to an optical path different from an optical path used for irradiating the two-dimensional pattern image, is Fourier-transformed, and then is irradiated as an information beam to the Fourier holographic recording layer region~~ white-light reconstruction holographic recording layer region is 3 μm to 40 μm thick, and the Fourier holographic recording layer region is 100 μm to 5 mm thick in the holographic recording medium.